

THE CLAIMS

What is claimed is:

1. A golf ball comprising a center and a cover, wherein the cover has a color lightness, L*, of greater than about 86 following exposure to UV light at an irradiance power of 1.00 W/m²/nm for a period of about 1 hour to about 4 hours, and the cover comprises:
a reaction product comprising a prepolymer and a curing agent; and
at least one color stabilizer.
2. The golf ball of claim 1, wherein the cover lightness L* after the UV exposure is greater than about 87.
3. The golf ball of claim 1, wherein the cover after the UV exposure exhibits a change in the color lightness, ΔL*, of no less than about -7 as compared to the cover before the UV exposure.
4. The golf ball of claim 3, wherein the ΔL* is no less than about -5.8.
5. The golf ball of claim 3, wherein the ΔL* is no less than about -4.
6. The golf ball of claim 1, wherein the cover has a color saturation, C*, of less than about 25 following the UV exposure.
7. The golf ball of claim 6, wherein the color saturation C* after the UV exposure is less than about 23.
8. The golf ball of claim 7, wherein the color saturation C* after the UV exposure is less than about 20.

9. The golf ball of claim 6, wherein the cover before the UV exposure has an initial C* of less than about 5.
10. The golf ball of claim 9, wherein the initial C* is less than about 4.
11. The golf ball of claim 9, wherein the cover exhibits a difference between the color saturation after the UV exposure and the initial C* before the UV exposure, identified as ΔC^* , of less than about 22.
12. The golf ball of claim 11, wherein the ΔC^* is less than about 18.
13. The golf ball of claim 11, wherein the ΔC^* is less than about 15.
14. The golf ball of claim 6, wherein the cover after the UV exposure has a ratio of C* to L* of less than about 0.29.
15. The golf ball of claim 14, wherein the ratio of C* to L* of the cover after the UV exposure is less than about 0.25.
16. The golf ball of claim 15, wherein the ratio of C* to L* of the cover after the UV exposure is less than about 0.18.
17. The golf ball of claim 6, wherein the cover before the UV exposure has a ratio of C* to L* of less than about 0.04.
18. The golf ball of claim 1, wherein the at least one color stabilizer is present in an amount of about 1% to about 7% by weight of the reaction product.
19. The golf ball of claim 1, wherein the cover further comprises a second color stabilizer present in an amount less than that of the at least one color stabilizer.

20. The golf ball of claim 19, wherein the second color stabilizer is present in an amount of about 0.1% to about 1% by weight of the reaction product.

21. The golf ball of claim 19, wherein the at least one color stabilizer comprises ethyl-4-[(ethylphenylamino)methylene]amino]benzoate or 2-(2H-Benzotriazol-2-yl)-4-methyl-6-dodecylphenol, and the second color stabilizer comprises bis-(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate.

22. The golf ball of claim 1, further comprising an intermediate layer disposed between the center and the cover.

23. The golf ball of claim 1, wherein the cover comprises:
an inner cover layer; and
an outer cover layer disposed about the inner cover layer, the outer cover layer comprising the reaction product.

24. The golf ball of claim 1, wherein the reaction product comprises polyurethane, polyurethane/polyurea blend, polyurea, or polyurethane ionomer.

25. A golf ball comprising a center and a cover, wherein the cover exhibits a color lightness, L^* , of greater than about 86 and a change in the color lightness, ΔL^* , of no less than about -4 following exposure to UV light at an irradiance power of $1.00 \text{ W/m}^2/\text{nm}$ for a period of 1 hour, and the cover comprises:

a reaction product comprising a prepolymer and a curing agent;
a UV stabilizer present in a first amount of about 3% to about 7% by weight of the reaction product; and
a light stabilizer present in a second amount of about 0.05% to about 1% by weight of the reaction product.

26. A golf ball comprising a center, a cover, and at least one intermediate layer disposed between the center and the cover, wherein the cover has a ratio of an initial color saturation to an initial color lightness of less than about 0.04, and the cover comprises:

- a reaction product of a prepolymer and a curing agent;
- a UV absorber present in a first amount; and
- a light stabilizer present in a second amount less than the first amount.